

**ADDENDUM TO  
FINAL ECONOMIC ANALYSIS  
OF CRITICAL HABITAT DESIGNATION  
FOR THE BULL TROUT**

October 2004

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## **Estimated Cost of the Final Designation**

1. The analysis contained in the September 2004 Final Economic Analysis of Critical Habitat Designation for the Bull Trout (FEA) is consistent with the designation as described in the proposed rule.<sup>1</sup> However, in establishing the final designation for bull trout, the Service excluded some proposed areas from the final designation.<sup>2</sup> The purpose of this section is to summarize the changes to the proposed designation and show the implication of these changes on forecast costs.
  
2. The Service has excluded the following lands from the final critical habitat designation:
  - Unoccupied lands;
  - Non-Federal lands regulated under the Washington Forest Practices Act;
  - All lands covered under the State of Washington's Forest Practices Rules and Regulations;
  - Montana Forested Trust Lands administered by the Montana Department of Natural Resources;
  - Federally-owned lands within the boundaries of the Bayview Acoustical Research Department, Naval Surface Warfare Center;
  - Lands within the boundaries of the Confederated Tribes of the Warm Springs of Oregon reservation;
  - Federal lands covered under the Federal Columbia River Power System (FCRPS);
  - All lands covered under the Northwest Forest Plan;
  - All Federal, State, and private lands covered by the Snake River Basin Adjudication;
  - All lands covered under the Montana Bull Trout Restoration Plan;
  - Federal lands within the Willamette and Malheur River Basins;
  - Stream reaches regulated under PACFISH and INFISH;
  - All waters impounded behind dams (reservoirs and pools);
  - Approved habitat conservation plans; and
  - All stream segments under private ownership that are less than 0.5 miles in length.
  
3. These exclusions remove approximately 90 percent of the area initially proposed from the final designation. Overall, the final rule designates 1,748 miles of rivers and streams and 61,235 acres of lakes and reservoirs as bull trout critical habitat (Exhibit 1).

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<sup>1</sup> U.S. Fish and Wildlife Service, *Endangered and Threatened Wildlife and Plants; Proposed Designation of Critical Habitat for the Klamath River and Columbia River Distinct Population Segments of Bull Trout and Notice of Availability of the Draft Recovery Plan; Proposed Rule and Notice*, November 29, 2002 (67 FR 71235-71284).

<sup>2</sup> U.S. Fish and Wildlife Service, *Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Klamath River and Columbia River Populations of Bull Trout*, October 6, 2004 (69 FR 59996-60076).

<b>Exhibit 1</b>				
<b>SUMMARY OF BULL TROUT CRITICAL HABITAT PROPOSED AND FINAL DESIGNATIONS</b>				
<b>Unit</b>	<b>Proposed Designation</b>		<b>Final Designation</b>	
	<b>Stream and River Miles</b>	<b>Lake and Reservoir Acres</b>	<b>Stream and River Miles</b>	<b>Lake and Reservoir Acres</b>
Unit 1 - Klamath River Basin	296	33,939	42	33,939
Unit 2 - Clark Fork River Basin	3,372	304,226	163	0
Unit 3 - Kootenai River Basin	368	30,094	0	0
Unit 4 - Willamette River Basin	200	8,899	0	0
Unit 5 - Hood River Basin	103	91	30	0
Unit 6 - Deschutes River Basin	439	23,314	39	0
Unit 7 - Odell Lake	15	6,439	0	0
Unit 8 - John Day River Basin	639	0	0	0
Unit 9 - Umatilla-Walla Walla River Basins	396	0	241	0
Unit 10 - Grande Ronde River Basin	644	0	300	0
Unit 11 - Imaha/Snake River Basins	191	0	87	0
Unit 12 - Hells Canyon Complex	599	0	125	0
Unit 13 - Malheur River Basin	233	5,926	0	0
Unit 14 - Coeur d'Alene Lake Basin	403	27,296	119	27,296
Unit 15 - Clearwater River Basin	1,904	16,610	0	0
Unit 16 - Salmon River Basin	4,296	3,683	0	0
Unit 17 - Southwest Idaho River Basins	1,657	41,307	0	0
Unit 18 - Little Lost River Basin	113	0	0	0
Unit 19 - Lower Columbia River Basin	171	12,078	121	0
Unit 20 - Middle Columbia River Basin	523	14,987	269	0
Unit 21 - Upper Columbia River Basin	591	2,553	0	0
Unit 22 - Northwest Washington River Basins	232	1,279	119	0
Unit 23 - Snake River Basin in Washington	204	0	94	0
Unit 24 - Columbia River Basin	537	0	0	0
Unit 25 - Snake River Basin	343	0	0	0
<b>Total</b>	<b>18,468</b>	<b>532,724</b>	<b>1,748</b>	<b>61,235</b>

4. Exhibit 2 presents a summary of the annualized forecast total costs, by unit, likely to be associated with the final critical habitat designation over the next ten years. The economic impacts associated with the final designation, discounted to present value using a rate of seven percent, are forecast to be approximately \$18 million over the next ten years, or \$1.8 million annually. Total costs associated with the final designation for the Klamath Distinct Population Segment of bull trout are forecast to equal approximately \$180,000 over the next ten years (\$18,000 annually), while costs associated with the final designation for the Columbia Distinct Population Segment of bull trout are forecast to be approximately \$18 million (\$1.8 million annually).
  
5. These costs will be incurred primarily by private entities (approximately 50 percent) and by Federal agencies responsible for section 7 consultations (approximately 40 percent)

of forecast costs). The Service will incur the remaining 10 percent of forecast costs. Project modification costs account for approximately two-thirds of forecast costs, and administrative costs the remaining one-third. Habitat conservation plan-related consultations account for more than 90 percent of forecast project modification costs.

6. The FEA discusses impacts to small businesses expected under the rulemaking as proposed. Impacts to small businesses are primarily related to potential reductions in USFS water deliveries to farmers/ranchers, project modifications triggered during hydroelectric facility re-licensing, and costs associated with activity restrictions for placer mining. Under the final designation, small business are expected to be limited.

<b>Exhibit 2</b>			
<b>SUMMARY OF FORECAST BULL TROUT SECTION 7 COSTS (Annualized)</b>			
<b>PROPOSED AND FINAL CRITICAL HABITAT DESIGNATIONS</b>			
<b>Unit</b>	<b>Proposed Critical Habitat Designation</b>		<b>Final Critical Habitat Designation</b>
	<b>Low</b>	<b>High</b>	
Unit 1 - Klamath River Basin	\$529,000	\$733,000	\$18,000
Unit 2 - Clark Fork River Basin	1,321,000	2,192,000	43,000
Unit 3 - Kootenai River Basin	328,000	402,000	0
Unit 4 - Willamette River Basin	4,497,000	4,891,000	0
Unit 5 - Hood River Basin	328,000	413,000	47,000
Unit 6 - Deschutes River Basin	430,000	719,000	7,000
Unit 7 - Odell Lake	51,000	56,000	0
Unit 8 - John Day River Basin	446,000	600,000	0
Unit 9 - Umatilla-Walla Walla River Basins	98,000	211,000	35,000
Unit 10 - Grande Ronde River Basin	467,000	580,000	186,000
Unit 11 - Imaha/Snake River Basins	559,000	605,000	249,000
Unit 12 - Hells Canyon Complex	1,939,000	2,338,000	159,000
Unit 13 - Malheur River Basin	2,006,000	2,095,000	0
Unit 14 - Coeur d'Alene Lake Basin	429,000	693,000	52,000
Unit 15 - Clearwater River Basin	995,000	1,676,000	0
Unit 16 - Salmon River Basin	2,059,000	3,319,000	0
Unit 17 - Southwest Idaho River Basins	1,004,000	1,867,000	0
Unit 18 - Little Lost River Basin	150,000	176,000	0
Unit 19 - Lower Columbia River Basin	385,000	494,000	175,000
Unit 20 - Middle Columbia River Basin	391,000	494,000	28,000
Unit 21 - Upper Columbia River Basin	196,000	505,000	0
Unit 22 - Northwest Washington River Basins	965,000	1,397,000	163,000
Unit 23 - Snake River Basin in Washington	230,000	287,000	74,000
Unit 24 - Columbia River Basin	243,000	504,000	0
Unit 25 - Snake River Basin	135,000	135,000	0
Multiple unit or unknown and HCP Development Costs	1,303,000	1,303,000	560,000

Notes: These estimates include all section 7 costs, including those co-extensive with the listing and designation of critical habitat for the bull trout. Costs are reported in 2003 dollars.